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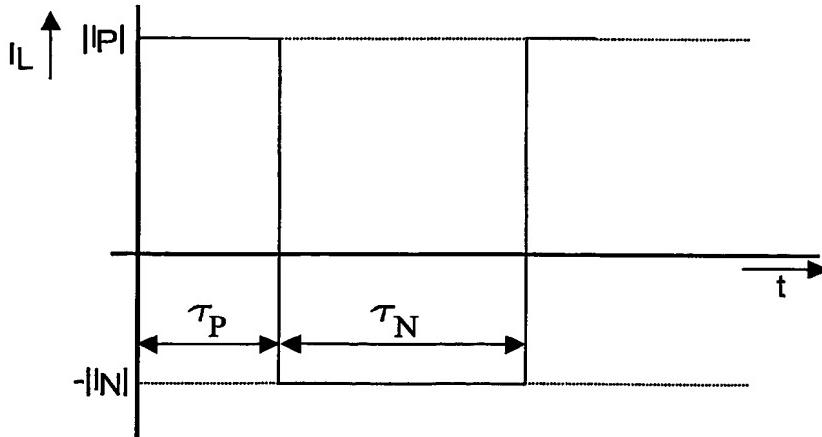
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- (74) Agents: DUSSELDORP, Jan, C. et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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- (71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HENDRIX, Johan, L., V. [BE/BE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: METHOD AND DEVICE FOR DRIVING A METAL HALIDE LAMP

$$\begin{aligned} \tau_P &< \tau_N \\ ||P|| &> ||N|| \\ I_{AV} &= \frac{\tau_P \cdot |I_P| - \tau_N \cdot |I_N|}{\tau_P + \tau_N} = 0 \end{aligned}$$



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(57) Abstract: A gas discharge lamp (2) is operated with an alternating current. A positive lamp current ( $I_p$ ) is generated with a positive current intensity ( $I_p$ ) for a positive duration ( $\tau_p$ ). A negative lamp current ( $I_N$ ) is generated with a negative current intensity ( $I_N$ ) for a negative duration ( $\tau_N$ ). A duty cycle ( $D=\tau_p/(\tau_p+\tau_N)$ ) differs from 50%. A current ratio ( $R=I_p/I_N$ ) differs from 1.

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